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## SEARCH REQUEST FORM

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If more than one search is submit	ted, please prio	ritize search	nes in order of	need.	*****
Please provide a detailed statement of the se Include the elected species or structures, key utility of the invention. Define any terms th known. Please attach a copy of the cover she	words, synonyms, a at may have a specia	acronyms, and re al meaning. Give	egistry numbers, an	d combine with t	he concept or
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Inventors (please provide full names):					
Earliest Priority Filing Date:				, .	
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Technical Inf	ormation Specialist				

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STAFF USE ONLY Searcher: FOOTS	Type of Search	Vendors and cost where applicable STN
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         Nov 18 DKILIT has been renamed APOLLIT
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NEWS 35 Dec 04 CSA files on STN
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ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 2001:115115 CAPLUS

DN 134:162915

ΤI Preparation of pyrrolidine-2,3,4-trion-3-oximes as NMDA receptor antagonists.

Przewosny, Michael; Stachel, Hans-Dietrich; Poschenrieder, Hermann Grunenthal G.m.b.H., Germany IN

PA

SO PCT Int. Appl., 52 pp. CODEN: PIXXD2

DT Patent

LA German

IC ICM C07D207-02

ICS A61K031-4015; A61P025-04; A61P029-00

27-10 (Heterocyclic Compounds (One Hetero Atom))

Section cross-reference(s): 1 FAN.CNT 1

	PAT	CENT :	NO.		KI	ND	D DATE APPLICATION NO. 1					DATE						
PI	WO	2001	0108	31	A1 20010215			WO 2000-EP7101				1	20000725					
		W:	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	ΒY,	CA,	CH,	CN,	CU,	CZ,	DK,
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			LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	ΝZ,	PL,	PT,	RO,
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Title compds. (I; R1 = H, OR8, COR5, NR6R7, CO2R5, CONR6R7, CSNR6R7, alkyl, aryl, heteroaryl, aralkyl; R2, R3 = H, F, C1, Br, CF3, OR8, SR8, alkyl, aryl, heteroaryl, aralkyl; R4 = OH, H, OR8, SR8, COR5, CO2R5, COCOR5, CONR6R7, CSNR6R7, alkyl, aryl, heteroaryl, aralkyl; R5 = H, alkyl,

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aryl, heteroaryl, aralkyl; R6, R7 = H, OR8, COR5, CO2R5, alkyl, aryl,
    heteroaryl, aralkyl; R8 = alkyl, aryl, heteroaryl, aralkyl), were prepd.
     4-Hydroxy-5-(methoxyphenylmethylene)-1,5-dihydropyrrol-2-one in HOAc was
     treated with NaNO2 followed by stirring for 30 min. to give 60%
     5-(methoxyphenylmethylene)pyrrolidin-2,3,4-trione 3-oxime. The latter
    bound to the glycine binding site of NMDA receptors with Ki = 0.116
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ST
    pyrrolidinetrione oxime prepn NMDA receptor antagonist; analgesic
    pyrrolidinetrione oxime prepn; antiinflammatory pyrrolidinetrione oxime
    prepn; antidepressant pyrrolidinetrione oxime prepn; drug abuse treatment
    pyrrolidinetrione oxime prepn; alcoholism treatment pyrrolidinetrione
    oxime prepn; cardiovascular agent pyrrolidinetrione oxime prepn;
    antipsychotic pyrrolidinetrione oxime prepn; antiparkinsonian
    pyrrolidinetrione oxime prepn
17
    AIDS (disease)
        (AIDS dementia complex, treatment; prepn. of
pyrrolidine-2,3,4-trion-3-
       oximes as NMDA receptor antagonists)
    Mental disorder
        (AIDS dementia, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes
       as NMDA receptor antagonists)
TT
     Brain, disease
        (Gilles de la Tourette syndrome, treatment; prepn. of
       pyrrolidine-2,3,4-trion-3-oximes as NMDA receptor antagonists)
IT
    Nervous system
        (Huntington's chorea, treatment; prepn. of pyrrolidine-2,3,4-trion-3-
       oximes as NMDA receptor antagonists)
TT
    Glutamate antagonists
        (NMDA antagonists; prepn. of pyrrolidine-2,3,4-trion-3-oximes as NMDA
       receptor antagonists)
IT
    Drugs of abuse
        (abuse of, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes as
       NMDA receptor antagonists)
IT
    Brain, disease
        (edema, treatment; prepn. of pvrrolidine-2,3,4-trion-3-oximes as NMDA
       receptor antagonists)
1T
    Stomach, disease
        (gastritis, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes as
       NMDA receptor antagonists)
1T
    Bladder
        (incontinence, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes
as
       NMDA receptor antagonists)
    Brain, disease
TT
        (infarction, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes as
       NMDA receptor antagonists)
IT
    Brain, disease
        (ischemia, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes as
       NMDA receptor antagonists)
тт
    Analgesics
    Anti-Alzheimer's agents
    Anti-inflammatory agents
    Anticonvulsants
    Antidepressants
    Antidiarrheals
    Antiparkinsonian agents
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RF

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Antipsychotics
    Antitussives
     Anxiolvtics
     Cardiovascular agents
        (prepn. of pyrrolidine-2, 3, 4-trion-3-oximes as NMDA receptor
        antagonists)
    Oximes
     RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (prepn. of pyrrolidine-2, 3, 4-trion-3-oximes as NMDA receptor
        antagonists)
     Brain, disease
        (stroke, treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes as NMDA
        receptor antagonists)
    Respiratory tract
        (treatment of airway disease; prepn. of pyrrolidine-2,3,4-trion-3-
        oximes as NMDA receptor antagonists)
    Asphyxia
        (treatment of perinatal asphyxia; prepn. of pyrrolidine-2,3,4-trion-3-
        oximes as NMDA receptor antagonists)
    Alcoholism
     Encephalomyelitis
    Hypoxia, animal
        (treatment; prepn. of pyrrolidine-2,3,4-trion-3-oximes as NMDA
receptor
        antagonists)
     247901-14-0P
                    247901-15-1P
                                   247901-16-2P
                                                  247901-17-3P
                                                                 247901-18-4P
     247901-19-5P
                  247901-20-8P
                                  247901-30-0P
                                                  247901-45-7P
    RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (prepn. of pyrrolidine-2, 3, 4-trion-3-oximes as NMDA receptor
        antagonists)
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                   247901-83-3
     247901-82-2
                                 247901-84-4
                                              325773-48-6
    RL: RCT (Reactant); RACT (Reactant or reagent)
        (prepn. of pyrrolidine-2, 3, 4-trion-3-oximes as NMDA receptor
        antagonists)
RE.CNT 6
             THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
(1) Gruenenthal Gmbh; EP 0894497 A 1999 CAPLUS
(2) Pfizer Ltd; WO 9608485 A 1996 CAPLUS
(3) Poschenrieder; CAPLUS
(4) Poschenrieder; ARCH PHARM (WEINHEIM, GER) 1998, V331(12), P389 CAPLUS
(5) Poschenrieder, H; ARCH PHARM 1999, V332(9), P309 CAPLUS
(6) Rowley, M; TETRAHEDRON 1992, V48(17), P3557 CAPLUS
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